

SOLAR PANEL PVS-585W/590W-M10HDT







Monocrystalline solar panel PVS-585W/590W-M10HDT



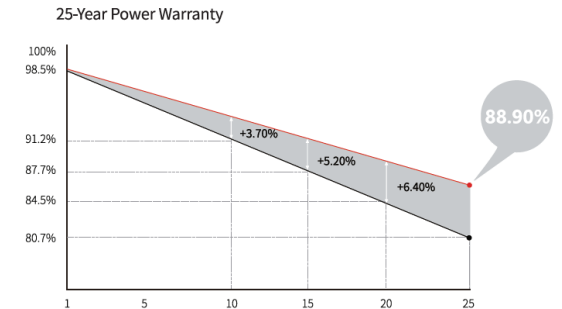
Certification:
CE
IEC61215-1-1:2021
IEC61730-1:2018
IEC61730-2:2018
Fire safety Class C

Redefined the high-efficiency module series by integrating 182mm silicon wafers with HPBC cell technologies. Our panel combined creative technology effectively and extremely improved the module efficiency and power output.

KEY FEATURES:

-  Less mismatch to get more power
-  Less power loss by minimizing the shading impact
-  Competitive low light performance
-  3 times EL test to ensure best quality
-  Ideal choice for utility and commercial scale project by reduced BoS and improved ROI
-  Outstanding reliability proven by PVEL for stringent Environment condition:
Sand , acid, salt and hail stones
2400Pa wind load and 5400Pa snow load
Anti-PID

WARRANTY:



Guarantee on product material and workmanship



Liner power output warranty

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Electrical Characteristics:

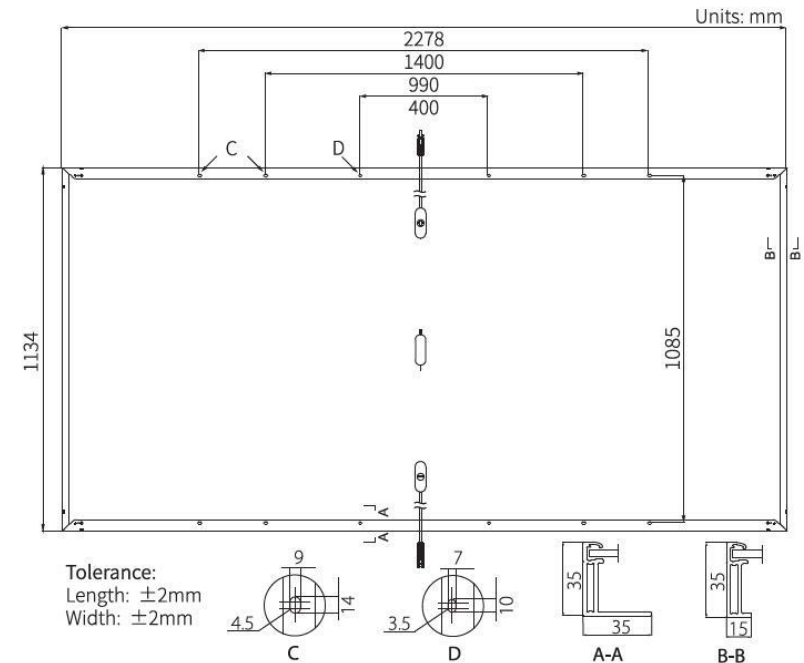
Module Type	PVS-585W-M10HDT	PVS-590W-M10HDT
Maximum Power (Pmp)	585W	590W
Open Circuit Voltage (Voc)	52.36V	52.51V
Short Circuit Current (Isc)	14.27A	14.33A
Maximum Power Voltage (Vmp)	44.21V	44.36V
Maximum Power Current (Imp)	13.24A	13.31A
Module Efficiency at STC(η_m)	22.6%	22.8%
Power Tolerance	(0,+3%)	
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	20A	
STC: Irradiance 1000 W/m ² module temperature 25° C AM=1.5 Power measurement tolerance: +/-3%		

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Mechanical Specifications:

External Dimensions	2278x1134x35 mm
Weight	27.5 kg
Solar Cells	Mono 144cells(6*24)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm ²
Mechanical Load	Front side 5400Pa Rear side 2400Pa

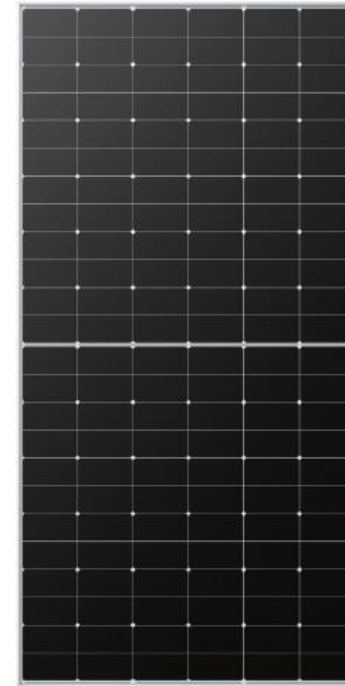


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Temperature Characteristics:

Pmax Temperature Coefficient	-0.29 %/° C
Voc Temperature Coefficient	-0.23 %/° C
Isc Temperature Coefficient	+0.05 %/° C
Operating Temperature	-40~+85 ° C
NOCT	45±2 ° C



Packing Configuration:

Container	40'HQ
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	620